

CCTCTCCACGCGCACGAACTCAGCCAACGATTTCTGATAGATTTTTGGGAGTTTGACCAG
 AGATGCAAGGGGTGAAGGAGCGCTTCTACCGTTAGGGAAGTCTGGGGACAGAGCGCCCC
 GGCCGCCTGATGGCCGAGGCAGGGTGCGACCCAGGACCCAGGACGGCGTCGGGAACCATA
 CCATGGCCCGGATCCCCAAGACCCTAAAGTTCGTCTGTCATCGTCGCGGTCCTGCTGC
M A R I P K T L K F V V V I V A V L L P
 CAGTCCTAGCTTACTCTGCCACCACTGCCCAGGAGGAAGTTCCCAGCAGACAGTGG
V L A Y S A T T A R Q E E V P Q Q T V A
 CCCACAGCAACAGAGGCACAGCTTCAAGGGGGAGGAGTGTCCAGCAGGATCTCATAGAT
 P Q Q Q R H S F K G E E C P A G S H R S
 CAGAACATACTGGAGCCTGTAACCCGTGCACAGAGGGTGTGGATTACACCAACGCTTCCA
 E H T G A C N P C T E G V D Y T N A S N
 ACAATGAACCTTCTTGCTTCCCATGTACAGTTTGTAAATCAGATCAAAAACATAAAAGTT
 N E P S C F P C T V C K S D Q K H K S S
 CCTGCACCATGACCAGAGACACAGTGTGTCTAGTGTAAAGAAGGCACCTTCCGGAATGAAA
 C T M T R D T V C Q C K E G T F R N E N
 ACTCCCCAGAGATGTGCCGGAAGTGTAGCAGGTGCCCTAGTGGGGAAGTCCAAGTCAGTA
 S P E M C R K C S R C P S G E V Q V S N
 ATTGTACGTCCTGGGATGATATCCAGTGTGTTGAAGAATTTGGTGCCAATGCCACTGTGG
 C T S W D D I Q C V E E F G A N A T V E
 AAACCCAGCTGCTGAAGAGACAATGAACACCAGCCCGGGGACTCCTGCCCCAGCTGCTG
 T P A A E E T M N T S P G T P A P A A E
 AAGAGACAATGAACACCAGCCAGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCA
 E T M N T S P G T P A P A A E E T M T T
 CCAGCCCGGGGACTCCTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTC
 S P G T P A P A A E E T M T T S P G T P
 CTGCCCCAGCTGCTGAAGAGACAATGACCACCAGCCCGGGGACTCCTGCCTCTTCTCATT
 A P A A E E T M T T S P G T P A S S H Y

FIG.1A

A: To be assigned; Group Art Unit: To be assigned
 D: 1488.1280006/EKS/EJH;
 Inventors: Wei *et al.*; Tel: 202/371-2600
 Title: Tumor Necrosis Factor Receptor 5

ACCTCTCATGCACCATCGTAGGGATCATAGTTCTAATTGTGCTTCTGATTGTGTTTGTTT
 L S C T I V G I I V L I V L L I V F V *
 GAAAGACTTCACTGTGGAAGAAATTCCTTCCTTACCTGAAAGGTTCAAGTAGGCGCTGGC
 TGAGGGCGGGGGGCGCTGGACACTCTCTGCCCTGCCTCCCTCTGCTGTGTTCCACAGAC
 AGAAACGCCTGCCCCTGCCCCAAGTCCTGGTGTCTCCAGCCTGGCTCTATCTTCCTCCTT
 GTGATCGTCCCATCCCCACATCCCGTGACCCCCCAGGACCCTGGTCTCATCAGTCCCTC
 TCCTGGAGCTGGGGGTCCACACATCTCCCAGCCAAGTCCAAGAGGCAGGGCCAGTTCCTC
 CCATCTTCAGGCCCAGCCAGGCAGGGGGCAGTCGGCTCCTCAACTGGGTGACAAGGGTGA
 GGATGAGAAGTGGTCACGGGATTTATTCAGCCTTGGTCAGAGCAGAACACAGAGATTTTC
 CGTGAAAAAAAA

FIG.1B

	M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523
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FIG. 2A

[illegible]

COLEMAN

75	P	-	G	Q	D	T	D	C	R	-	E	C	C	E	S	G	S	-	F	T	A	S	E	N	H	L	R	H	C	L	S	C	S	K	-	C	R	K	E	M	G	TNFR1
68	T	K	T	S	D	T	V	C	-	D	S	C	-	E	D	S	T	Y	T	Q	L	W	N	W	V	P	E	P	C	L	S	C	G	S	R	C	S	D	Q	V	TNFR2	
60	N	Q	-	T	-	V	-	C	E	-	P	C	-	L	D	S	V	T	F	S	D	V	V	S	A	T	E	P	C	K	P	C	T	-	E	C	V	G	L	Q	S	NFR
73	S	R	S	Q	D	T	V	C	-	K	T	C	-	P	H	N	S	Y	N	E	H	W	N	H	L	S	T	C	Q	L	C	R	P	-	C	D	I	V	L	G	LTbR	
76	N	-	G	D	E	P	D	C	V	-	P	C	-	Q	E	G	K	E	Y	T	D	K	A	H	F	S	S	K	C	R	R	C	R	L	-	C	D	E	G	H	G	FAS
56	H	R	K	A	-	A	Q	C	D	-	P	C	-	I	P	G	V	S	F	S	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CD27
61	R	-	-	-	P	T	D	C	R	K	Q	C	-	E	P	D	Y	Y	L	D	E	A	D	R	C	T	A	C	V	T	C	S	-	-	-	-	R	D	D	-	-	CD30
52	T	E	F	T	E	T	E	C	-	L	P	C	-	G	E	S	E	F	L	D	T	W	N	R	E	T	H	C	H	Q	H	K	Y	-	C	D	P	N	L	G	CD40	
40	N	R	N	Q	-	-	I	C	-	S	P	C	-	P	P	N	S	F	S	S	A	-	G	G	Q	R	T	C	D	I	C	R	-	Q	-	-	-	-	K	G	4-1BB	
59	S	Q	N	T	-	V	-	C	R	-	P	C	-	G	P	G	F	Y	N	D	V	V	S	S	K	-	P	C	K	P	C	T	-	W	C	-	N	L	R	S	OX40	
60	K	T	N	T	-	-	Q	C	-	T	P	C	-	G	S	G	T	F	T	S	R	N	N	H	L	P	A	C	L	S	C	N	G	R	C	N	S	N	Q	V	VC22	
58	K	T	N	T	N	T	Q	C	-	T	P	C	-	A	S	D	T	F	T	S	R	N	N	H	L	P	A	C	L	S	C	N	G	R	C	D	S	N	Q	V	CRMB	
60	S	-	E	H	T	G	A	C	N	-	P	C	-	T	E	G	V	D	Y	T	N	A	S	N	N	E	P	S	C	F	P	C	T	V	-	C	K	S	D	-	-	TNFR-like

FIG. 2C

105040-21292860

To be assigned; Group Art Unit: To be assigned
D: 1488.1280006/EKS/EJH;
Inventors: Wei *et al.* ; Tel: 202/371-2600
Title: Tumor Necrosis Factor Receptor 5

111	-	Q	V	E	I	S	S	C	T	V	D	R	D	T	V	C	G	C	R	K	N	Q	Y	R	H	Y	W	S	E	N	L	F	Q	C	F	N	C	S	L	-	TNFR1	
106	-	-	E	T	Q	A	-	C	T	R	E	Q	N	R	I	C	T	C	R	P	G	W	Y	C	A	L	S	K	Q	E	-	-	G	C	R	L	C	A	P	L	TNFR2	
95	M	S	A	P	-	-	-	C	V	E	A	D	D	A	V	C	R	C	A	Y	G	Y	-	Q	D	E	T	G	-	-	-	R	C	E	A	C	R	V	-	NGFR		
110	F	E	E	V	A	P	-	C	T	S	D	R	K	A	E	C	R	C	Q	P	G	M	S	C	V	Y	L	D	N	E	-	-	C	V	H	C	E	E	E	LtDR		
113	L	E	V	E	I	N	-	C	T	R	T	Q	N	T	K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F	F	C	N	-	-	FAS		
74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D	H	H	T	R	P	-	-	H	C	E	S	C	R	H	-	-	CD27		
92	L	V	E	K	T	P	-	C	A	W	N	S	S	R	V	C	E	C	R	P	G	M	F	C	S	T	S	A	V	N	-	-	S	C	A	R	C	F	F	H	CD30	
89	L	R	V	Q	Q	K	-	G	T	S	E	T	D	T	I	C	T	C	E	E	G	W	H	C	T	-	S	E	A	-	-	-	C	E	S	C	V	L	H	CD40		
71	V	F	R	T	R	K	E	C	S	S	T	S	N	A	E	C	D	C	T	P	G	F	H	C	L	-	-	G	A	-	-	G	C	S	M	C	E	Q	D	4-1BB		
92	G	S	E	R	K	Q	L	C	T	A	T	Q	D	T	V	C	R	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	OX40	
96	-	-	E	T	R	S	-	C	N	T	T	H	N	R	I	C	E	C	S	P	G	Y	Y	C	L	L	K	G	S	S	-	-	G	C	K	A	C	V	S	Q	VC22	
96	-	-	E	T	R	S	-	C	N	T	T	H	N	R	I	C	D	C	A	P	G	Y	Y	C	F	L	K	G	S	S	-	-	G	C	K	A	C	V	S	Q	CRMB	
95	-	Q	K	H	K	S	S	C	T	M	T	R	D	T	V	C	Q	C	K	E	G	T	F	R	N	E	N	S	P	E	M	-	-	-	C	R	K	C	S	R	-	TNFR-like

FIG. 2D

06-0501

[illegible]

FIG. 2E

[illegible]

FIG. 2F

No. To be assigned; Group Art Unit: To be assigned
Dkt. No. 1488.1280006/EKS/EJH;
Inventors: Wei *et al.* ; Tel: 202/371-2600
Title: Tumor Necrosis Factor Receptor 5

	Consensus #1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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FIG. 2G

FIG. 2H

[illegible]

FIG. 21

0932671 040501

	T	K	P	L	A	P	N	S	F	S	P	T	P	G	F	T	P	L	G	F	S	P	V	P	S	S	T	F	T	S	S	S	T	Y	T	P	G	D	TNFR1			
264	-	-	-	-	-	-	-	L	Q	R	E	A	K	V	P	H	L	P	A	-	D	K	A	R	G	T	Q	G	P	E	Q	Q	H	L	I	T	A	-	TNFR2			
294	-	-	-	-	-	-	-	-	-	-	N	K	Q	G	A	N	S	R	P	V	-	N	Q	T	P	P	P	E	G	E	K	L	H	S	D	S	G	I	S	V	D	NGFR
281	-	-	-	-	-	-	-	-	-	-	P	E	G	E	E	S	P	C	P	A	-	P	R	A	D	P	H	F	P	D	L	A	E	P	L	-	-	-	-	LTBR		
262	-	-	-	-	-	-	-	S	P	T	L	N	P	E	-	-	-	T	V	A	I	N	L	S	D	V	D	L	S	K	Y	I	T	-	-	-	-	-	FAS			
212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CD27				
169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CD30				
322	T	T	F	E	A	P	P	L	G	T	Q	P	D	C	N	P	T	P	E	-	N	G	E	A	P	A	S	T	S	P	T	Q	S	L	L	V	D	S	Q	A	CD40	
222	-	-	-	-	-	-	-	-	-	-	P	T	N	K	A	P	H	K	Q	E	-	P	Q	-	E	I	N	F	P	D	-	-	-	-	-	-	-	-	-	CD40		
193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4-1BB			
198	-	-	-	-	-	-	-	-	-	-	T	S	Q	G	P	S	T	R	P	V	-	E	-	-	V	P	G	G	R	A	V	A	I	L	G	L	G	L	-	Ox40		
255	-	-	-	-	-	-	-	-	-	-	L	N	F	E	I	K	C	N	N	-	-	-	-	-	K	G	S	-	-	S	F	K	Q	-	-	-	-	-	-	VC22		
255	-	-	-	-	-	-	-	-	-	-	L	N	F	E	I	K	C	N	N	-	-	-	-	-	K	D	S	Y	S	S	S	K	Q	-	-	-	-	-	-	-	CRMB	
170	T	S	P	G	T	P	A	P	A	E	E	T	M	N	T	S	P	G	T	P	A	P	A	E	E	T	M	T	T	S	P	G	T	-	-	-	-	-	-	TNFR-like		

FIG. 2J

[illegible]

FIG. 2K

Consensus #1	
329	..- -L A S D P I P N P L Q K W E D S A H K P Q S L D T D D P A T L Y A V V E T N F R 1
339	..- -D R R A P T R N Q P Q A P G V E A S G A G E A R A S T G S S D S S T N F R 2
347	V E K L L - - - - - A P S L E E V L Q Q Q S P L - - - - - V Q A R E L - - - - - N G S N F R
303	- - - - - M T L S Q V - - - - - - - - - - - - - - - F A S
240	- - - - - G A L F L - - - - - - - - - - - - - - - H Q - C D 27
207	- - - - - S S A F L L C H R R A C R K R I R Q K L H L C Y P V Q T S Q P K L E L V D S R P C D 30
252	- - - - - Q E T L - - - - - - - - - - - - - - - C D 40
216	G R K K L L - - - - - - - - - - - - - - - 4 - 1 B B
245	- O X 40
281	- - - - - - - - - - - M S H S E T V T L A G D C L S S V D I Y I L Y S N T N V C 22
284	- - - - - - - - - - - M P H S E S V T L V G D C L S S V D I Y I L Y S N T N C R M B
217	- - - - - P G T P A P A A E E T M T T S P G T P A S - - - - - T N F R - l i k e

FIG. 2L

FIG. 2M

FIG. 2N

[illegible]

FIG. 20

FIG. 2P

ppl. No. To be assigned; Group Art Unit: To be assigned
kt. No. 1488.1280006/EKS/EJH;
ventors: Wei *et al.* ; Tel: 202/371-2600
itle: Tumor Necrosis Factor Receptor 5

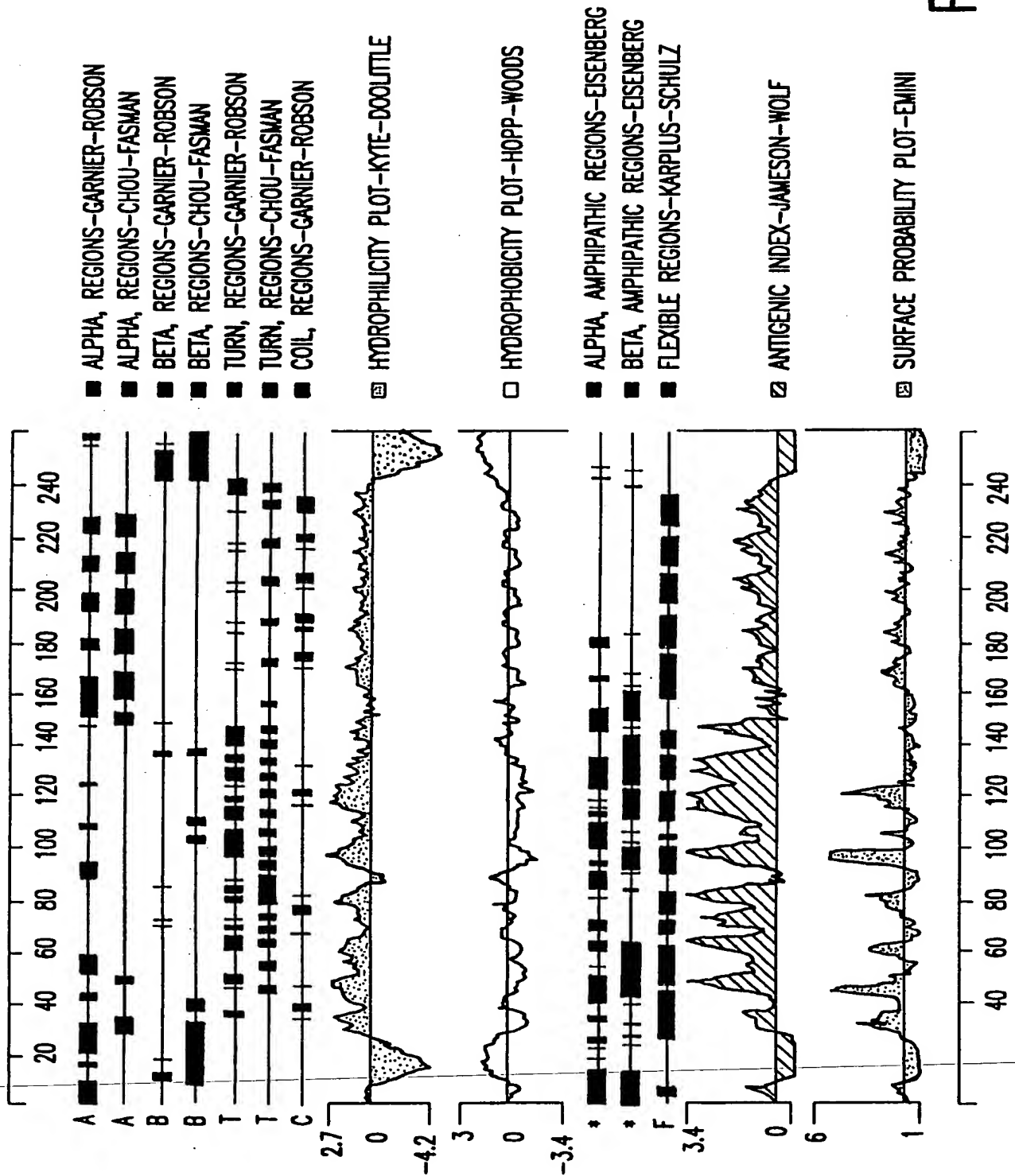


FIG.3

HPRCB54R

1 GAATTCGGCA NAGCCTCTCC ACGCGCACGA ACTCAGCCAA CGATTTCTGA
 51 TAGATTTTTG GGAGTTTGAC CAGAGATGCA AGGGGTGAAG GAGCGCTTCC
 101 TACCGTTAGG AACTCTGGGG ACAGNCGCC CCGGCCGCCT GATGGCCGAG
 151 GCAGGGTGCG ACCCAGGACC CAGGACGGCG TCGGGAACCA TACCATGGCC
 201 CGGATCCCCA AGACCCTAAA GTTCGTGGTC GTCATCGTCG CGGTCCTGCT
 251 GCCAGTCCTA GCTTACTCTG CCACCACTGC CCGGCAGAGG AAGTTNCCCA
 301 GCAGNCANTG GNCCCACAGC AACAGNGGCA CAGTTTCAAG GGGGNAGGAG
 351 TTTTCCANCA AGTTTTTATA GTTCAGAACN TATTGGNGCT NTNAACCCTT
 401 GCACAAGGGT TTGGNTTAAA CCAANGTTTC CAANATGNAC TTTTNGTTC
 451 CCTGTTANAT TTTTAAATTA GTTNAAANTT AAATTTNTNA ACCTTNCCNG
 501 GGNAAATT

HSJAU57RA

1 GGCAGAGGTG TCTCCAGCCT GGCTCTATCT TCCTCCTTGT NATCGTCCCA
 51 TCCCCACATC CCGTGCACCC CCCAGGACCC TGGTCTCATC AGTCCCTCTC
 101 CTGGAGCTGG GGGTCCACAC ATCTCCAGC CAAGTCCAAG AGGGCAGGGC
 151 CAGTTCCTCC CATCTTCAGG CCCAGCCAGG CAGGGGGCAG TCGGCTCCTC
 201 AACTGGGTGA CAAGGGTGAG GATGAGAAGT GGTCACGGGG ATTTATTAG
 251 CTTGGTCAG AGCAGAACAC AGAGTTTTTC CGTGTGTTGG TTTTACTCT
 301 NNTTCCCCTT CTTNATNCCC CTTTCN

HUSCB54R

1 CCAGGGTCTC CTNCCCCACC TGCTGAAGAG ACANTGACCA CCAGCCCGGG
 51 GACTCCTGCC TCTTCCTCAT TACCTCTNAT GNANCATCGT AGGGATCATA
 101 GTTCTAATTG TGCCTTCTGA ATTGTGCTTT GTTTGGAAAG ACTTCACTGT
 151 GGAAGAAAT TCCTTCCTTA CCTGAAGTTG CAGGTAGGCC CTGGGTNAGG
 201 GCGNGGGGCG CTGGACANTN TCTGGNCCTG GCTGCCCCGT G

HELP70R

1 GGCAGAGGCC CCAGCTGCTG AAGAGACAAT AATCACCAGC CCGGGGACTC
 51 CTGNNTCTNC TNATTACCTC TNATGCACCA TCGTAGGGAT CATAGTTCTA
 101 ATTGTGCCTT CTAATTGTTT TTGTTTGAAA AGANTTCACT GTGGAAGAAA
 151 TTCCTTCCTT ACCTGTAAGT TNCAGGTAGG NGCCTGGCTG AGGGCGGGGG
 201 GCGCTGGTAC ACTCTCTGAC CCTGCCTCCC TCTGNCTGTT TTCCACAGA
 251 CAGAAACGCC TGCCCCTGNC CCCAAGTTCC TNGTGTTTTT CAGCCTGGCT
 301 CTATCTTNNC TCCTTGTAAG TCGTTCCCAT CCCCACANGC

FIG.4

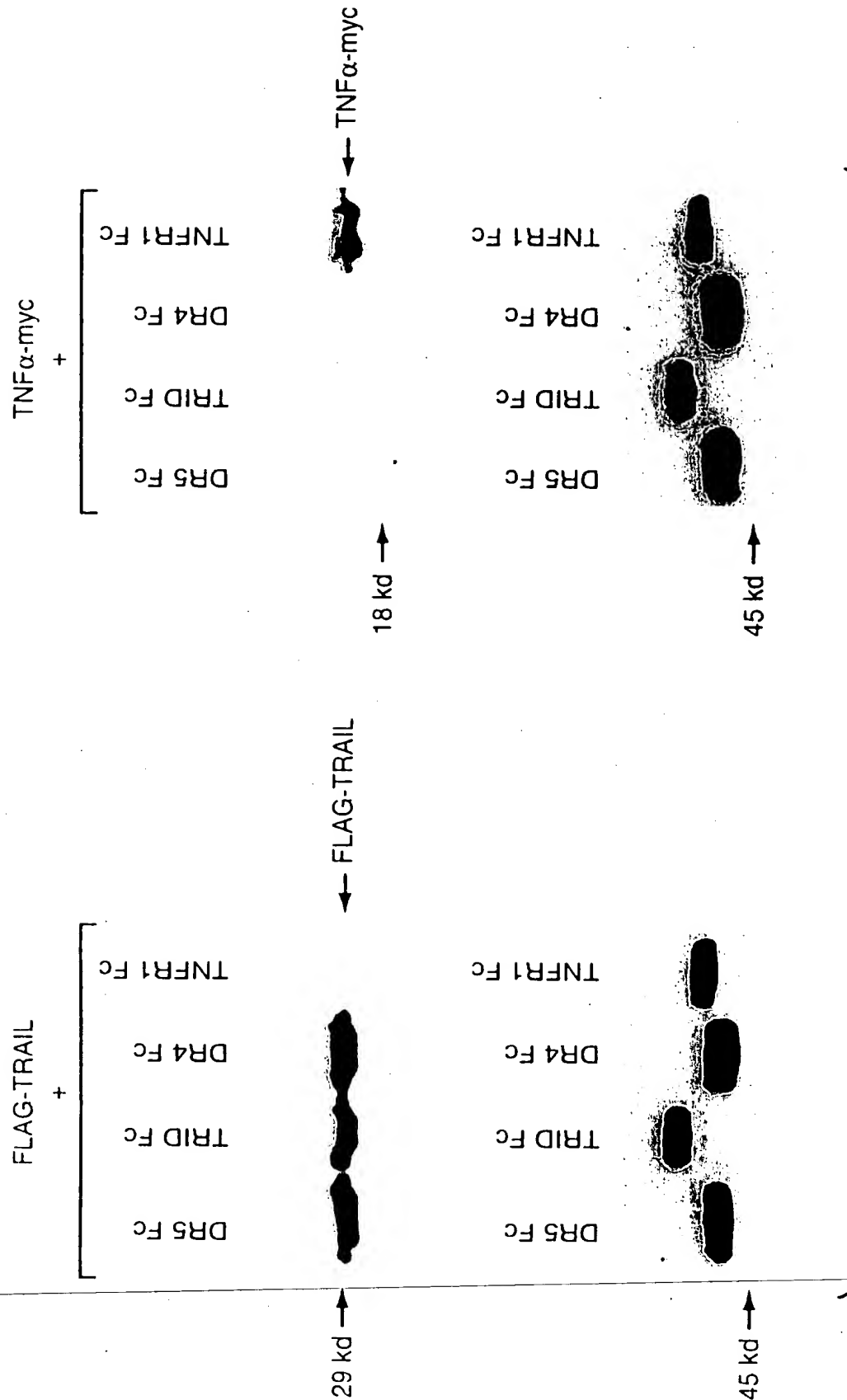


FIG. 5A

ppl. No. To be assigned; Group Art Unit: To be assigned
 kt. No. 1488.1280006/EKS/EJH;
 ventors: Wei *et al.* ; Tel: 202/371-2600
 itle: Tumor Necrosis Factor Receptor 5

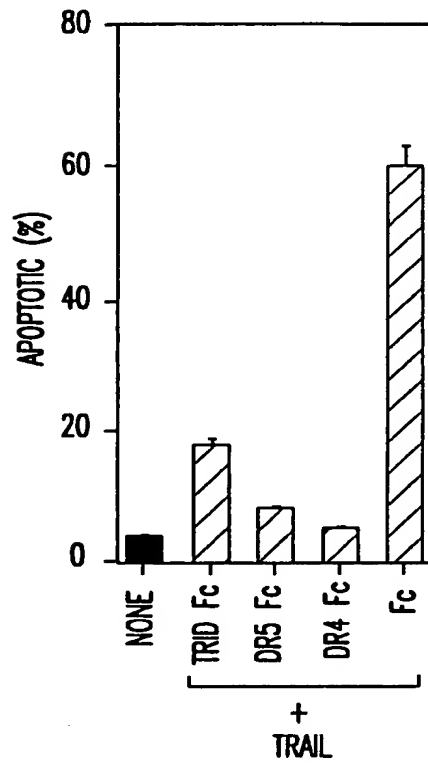


FIG.5B

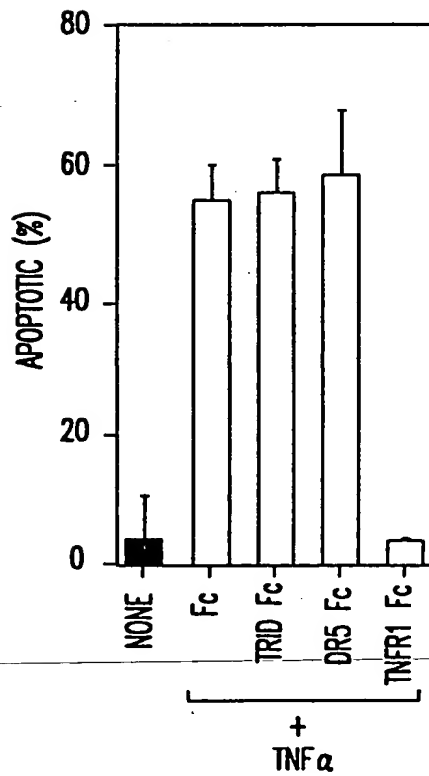


FIG.5C

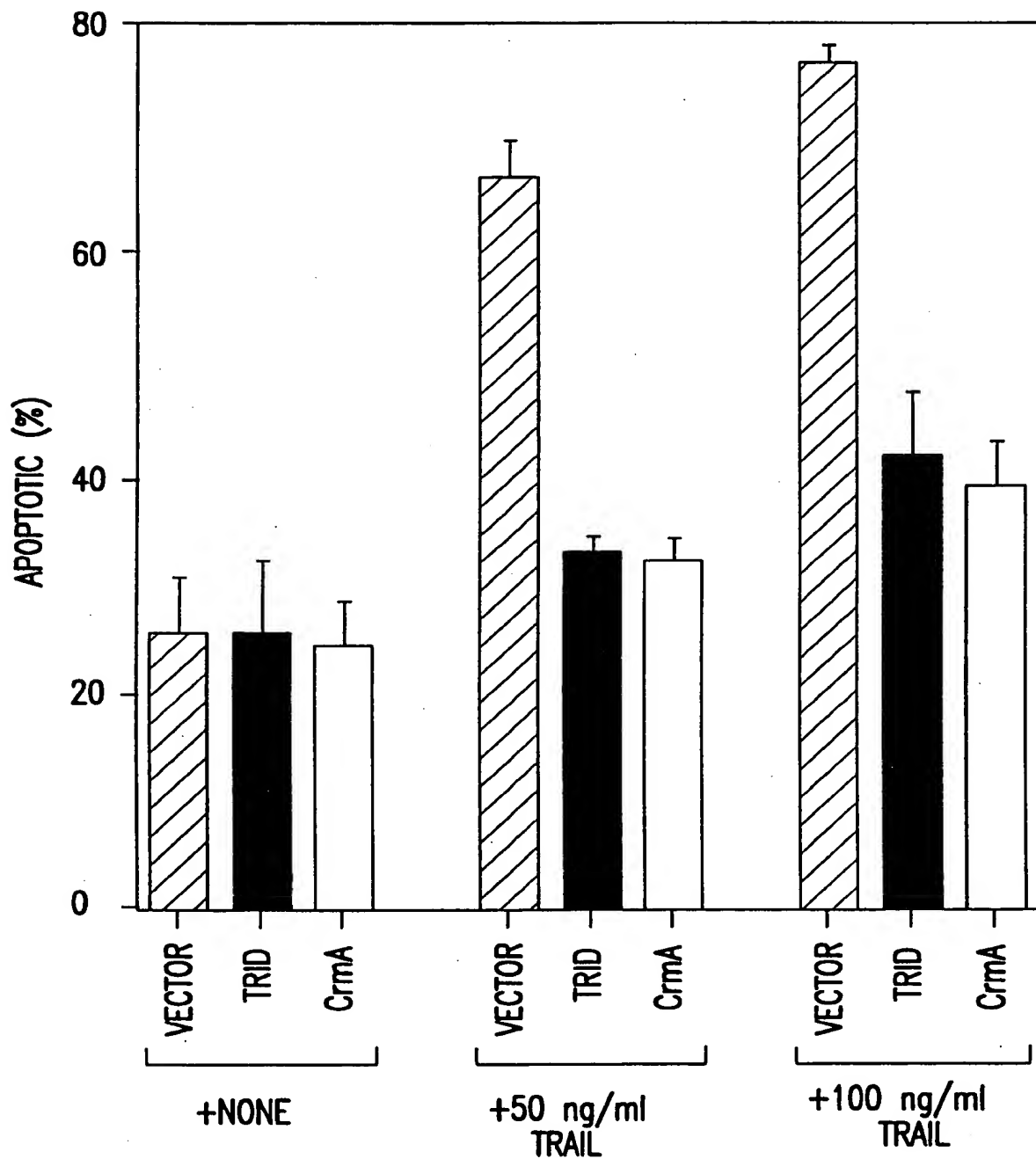


FIG.6